

PREQUALIFIED LIST OF COUPLERS ON REINFORCING STEEL

Type of Splice	Splice Company	Coupler Model	Service Splice Qualification (Bar Sizes)	Ultimate Splice Qualification (Bar Sizes)
<i>Mechanical Couplers on ASTM A 706 Reinforcing Steel</i>				
Sleeve-Swaged	BarSplice	BPI-GRIP™ (BarGrip®)	#3 through #18	
	BarSplice	BPI-GRIP™ (BarGrip®) XL	#5 through #18	#5 through #18
	BarSplice	Taper Threaded Grip-Twist®	#3 through #18	#3 through #18
	Dextra America	Griptec®	#4 through #18	
Sleeve-Forged	Dayton/Richmond (formerly Richmond Screw Anchor Co.)	DB/DI	#4 through #11	#4 through #11
	Dayton/Richmond (formerly Richmond Screw Anchor Co.)	US/MC	#4 through #18	#4 through #18
	Dextra	Bartec	#4 through #18	#4 through #18
Sleeve-Lock Shear Bolts	Dayton Superior (formerly Bar-Lock)	Bar-Lock L Series	#3 through #14; green epoxy-coated #4 through #18	
	Dayton Superior (formerly Bar-Lock)	Bar-Lock S/CA Series (formerly S-series)	#4 through #14; green epoxy-coated #4 through #18	
	Dayton Superior (formerly Bar-Lock)	Bar-Lock S/CA Series (formerly S-series)	#5 to #6 connection	
	BarSplice	ZAP Screwlok® Type 2 Series (Standard)	#4 through #11	
Sleeve-Threaded Bar	Dayton Superior (formerly Bar-Lock)	Bar-Lock XL	#4 through #18	#4 through #18
	Dayton Superior (formerly Bar-Lock)	Bar-Lock RXL	#6 through #18	#6 through #11, and #18
Sleeve-Tapered Thread	Erico	Lenton® Standard (A2)	#3 through #18	
	Erico	Lenton® Transition (A2)	#5/#4 through #18/#14	
	Erico	Lenton® Position (P8)	#6 through #18	
	Erico	Lenton® Position (P9)	#6 through #18	
	Erico	Lenton® Formsaver	#3 through #11	
	Erico	Lenton® Interlock™ Rebar Splice System	#8	#8

Notes:

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3. Caltrans takes no position respecting the validity of any intellectual property rights asserted in connection with any coupler on this list. Users of this list are solely responsible for determining the validity of any such intellectual property rights.
4. All mechanical couplers are on plain black bar unless otherwise stated. Couplers on epoxy-coated bars require a plastic shrink sleeve cover.
5. Service and ultimate splices are defined in section 52 of the Standard Specifications.
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7. If you have any questions about this list, please contact the appropriate Structural Materials Representative at <http://www.dot.ca.gov/hq/esc/Translab/smforms/StructuralMaterialsRepresentatives.pdf>.

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Sleeve-Tapered Thread (continued)	Erico	Lenton® Plus Position Coupler (P14L)	#8 through #14	#8 through #14
	Erico	Lenton® Plus Standard Coupler (A12)	#5 through #14	#5 through #14
	Fox-Howlett	Standard No-Slip Couplers	#6 through #18	
	Fox-Howlett	Position No-Slip Couplers	#6 through #18	
	Headed Reinforcement Corp.	HRC 410/420 Standard Coupler	#8 through #18	#8 through #18
	Headed Reinforcement Corp.	HRC 410/490 Position Coupler	#8 through #18	#8 through #18
Sleeve-Filler Metal	Erico	Cadweld	#18	
Sleeve-Filler Grout Coupler	Splice Sleeve North America	NMB	#4 through #18	
Upset Bar Ends – Dowel Bars Included	Dayton/Richmond	US/MC Inertial Welded	#8 through #18	#8
	Dayton/Richmond	US/MC Forged	#6 through #11	#7 through #11
Two Piece, Weld-On Coupler	Headed Reinforcement Corp.	Xtender™ XT 553 Anchor Coupler	#7 and #8	#7 and #8
Two Piece Epoxy Splice	Headed Reinforcement Corp.	620 E-Splice Form Protector	#6	
	Headed Reinforcement Corp.	621 E-Splice Form Protector	#6	
Two Piece Sleeve/Forged Ends	Headed Reinforcement Corp.	Xtender™ 507/571 Coupler	#7	#7
	Headed Reinforcement Corp.	Xtender™ 509/571 Position Coupler	#11	#11
	Headed Reinforcement Corp.	Xtender™ 510 Standard Coupler	#4 through #14	#4 through #14
	Headed Reinforcement Corp.	Xtender™ 511/512 Transition Coupler	#5 through #11	#5 through #11
	Headed Reinforcement Corp.	Xtender™ 520 Form Protector	#4 through #14	#4 through #14

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Wedge-Thru Sleeve (Mechanical Lap Splice)	Splice Sleeve North America (formerly OCM)	O-S Splice Clip	#4 through #6	
	Erico	Quick-wedge Mechanical Lap Coupling Device	#4 through #6	
Side-by-Side (Mechanical Lap Splice)	BarSplice	ZAP Screwlok® Double Barrel Transition Coupler	#4/#3 through #6/#5	
	BarSplice	ZAP Screwlok® Double Barrel Standard Coupler	#4 through #6	
<i>Mechanical Couplers on ASTM A 615, Grade 75 Reinforcing Steel</i>				
Sleeve-Threaded Bar	Dywidag Systems International	A 615, grade 75 reinforcement bar splice	#11 and #20	
	Williams Form Engineering	A615, grade 75 reinforcement bar splice	#14 and #18	
<i>Mechanical Couplers on ASTM A 722, Grade 150 Bars</i>				
Sleeve-Threaded Bar	Williams Form Engineering	A 722 Splice	2.5-inch	
<i>Mechanical Couplers on ASTM A 706 Reinforcing Steel Hoops</i>				
Sleeve-Swaged	BarSplice	BPI-GRIP™ (BarGrip®)	#5 through #8, and #14	
Two Piece Sleeve/ Forged Ends	Headed Reinforcement Corp.	Xtender™ 510	#5 through #11	#9 and #11
	Headed Reinforcement Corp.	Xtender™ 515 adjustable tension hoop coupler	#8	
	Headed Reinforcement Corp.	HRC 571 adjustable tension hoop coupler	#8	
	Headed Reinforcement Corp.	HRC 572 adjustable tension hoop coupler	#8	

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